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RAW SEQUENCE LISTING

DATE: 05/13/2003

PATENT APPLICATION: US/09/935,998A

TIME: 13:51:43

Input Set : A:\EP.txt

Output Set: N:\CRF4\05132003\I935998A.raw

See page
6.

3 <110> APPLICANT: Genetic Technologies
 4 Simons, Malcom J.
 6 <120> TITLE OF INVENTION: Intron Sequence Analysis Method for Detection of Adjacent
 and Remote

7 Locus Alleles as Haplotypes
 9 <130> FILE REFERENCE: 005493.P001
 11 <140> CURRENT APPLICATION NUMBER: 09/935,998A
 12 <141> CURRENT FILING DATE: 2001-08-23
 14 <150> PRIOR APPLICATION NUMBER: US 07/949,652
 15 <151> PRIOR FILING DATE: 1992-09-23
 17 <150> PRIOR APPLICATION NUMBER: US 07/551,239
 18 <151> PRIOR FILING DATE: 1990-07-11
 20 <150> PRIOR APPLICATION NUMBER: US 07/465,863
 21 <151> PRIOR FILING DATE: 1990-01-16
 23 <150> PRIOR APPLICATION NUMBER: US 07/405,499
 24 <151> PRIOR FILING DATE: 1989-09-11
 26 <150> PRIOR APPLICATION NUMBER: US 07/398,217
 27 <151> PRIOR FILING DATE: 1989-08-25
 29 <160> NUMBER OF SEQ ID NOS: 78
 31 <170> SOFTWARE: PatentIn version 3.1
 33 <210> SEQ ID NO: 1
 34 <211> LENGTH: 911
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Homo sapiens
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <223> OTHER INFORMATION: Class I-C1 allele
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50	ttccctgtac aagagtccaa ggggagaggt aagtgtcctt	240
52	aatattacct gaggttaaggt aaggcaaaga gtgggaggca	300
54	gggattccag gagaagtga ggggaagggg ctgggcgag	360
56	ttccacagac agatccttgg ccaggactca ggcacacagt	420
58	aggagaagag ggatcagacg aagtcccagg tcccgggcg	480
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62	cactctctct cccaacctgc gtgggtcct tcttctgaa	600
64	ttcccactcc cattgggtgt cgggttctag aagccaatca	660
66	ctaaagtccc cagtcaccca cccgactca gattctcccc	720
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70	cctgtgagtg cgggggttggg agggaaacgg cctctgcga	840
72	ggcagggcga ggacccgggg agccgcgcag ggaggagggt	900
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83 <221> NAME/KEY: misc_feature
84 <223> OTHER INFORMATION: Class I-C1 allele
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92 ggatgagttt tctgagttt cctctgaggg cccctctgc tctctaggac aattaaggga      180
94 tgaagtcctt gaggaatgg aggggaagac agtccctgga atactgatca ggggtcccct      240
96 ttgaccactt tgaccactgc agcagctgtg gtcaggctgc tgacctttct ctcaggcctt      300
98 gttctctgcc tcacgttcaa tgtgtttgaa ggtttgatc cagcttttct gagtccttcg      360
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102 atgaatagga gattatccca ggtgcctgtg tccaggctgg cgtctgggtt ctgtgcccc      480
104 ttccccaccc caggtgtcct gtccattctc aggatggtca catgggcgct gttggagtgt      540
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111 <212> TYPE: DNA
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115 <221> NAME/KEY: misc_feature
116 <223> OTHER INFORMATION: Class I-C2 allele
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124 tctacacgtc cattcccagg gcgagctcac tgtctggcat caagtccccc atggtgagtt      180
126 tccctgtaca agagtccaag gggagaggta agtgccttt attttgcctg atgtagttta      240
128 atattacctg aggtaaagta acggaaagag tggggaggca gggagtccag ttcagggacg      300
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146 gcctgtgagt gcggggttg gagggaaacg gcctctgcgg agaggagcga ggggccgcc      840
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154 <211> LENGTH: 588
155 <212> TYPE: DNA
156 <213> ORGANISM: Homo sapiens
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159 <221> NAME/KEY: misc_feature
160 <223> OTHER INFORMATION: Class I-C2 allele IVS3

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168 ggatgagttt tcttgagttt cctctgaggg cccctctgct tctctaggac aattaaggga 180
170 tgaagtcctt gaggaatgg aggggaagac agtccctgga atactgatca ggggtcccct 240
172 ttgaccactt tgaccactgc agcagctgtg gtcaggctgc tgacctttct ctcaggcctt 300
174 gttctctgcc tcacgttcaa tgtgtttgaa ggtttgattc cagcttttct gagtctctcg 360
176 gcctccactc aggtcaggac cagaagtcgc tgttccctcc tcagagacta gaactttcca 420
178 atgaatagga gattatccca ggtgcctgtg tccaggctgg cgtctgggtt ctgtgcccc 480
180 ttccccaccc caggtgtcct gtccattctc aggatagtc catgggcgct gttggagtgt 540
182 cgcaagagag atacaaagtg tctgaatttt ctgactcttc ccgtgcag 588
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186 <211> LENGTH: 366
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapiens
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191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (75)..(76)
193 <223> OTHER INFORMATION: "N" is an unidentified nucleotide
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197 <221> NAME/KEY: misc_feature
198 <223> OTHER INFORMATION: Class I-C3 allele
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206 cccagtcacc caccgcgact cagattctcc ccagacgccc agatgcgggt catggcgccc 180
208 cggacctca tctgtctgct ctccggagcc ctggccctga ccgagacctg ggccgggtgag 240
210 tgcgggggtg ggagggaatc ggcctcttgc ggagaggagc gaggggcccg cccggcgagg 300
212 ggcgcaggac ccggggagcc gcgcaggagg gagggtcggg cgggtctcag cccctcctcg 360
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218 <211> LENGTH: 578
219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
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223 <221> NAME/KEY: misc_feature
224 <223> OTHER INFORMATION: Class I-C3 allele IVS3
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232 gatgagtttt cctgagtttc ctctgagggc cccctctgct ctctgaggac aattaaggga 180
234 tgaagtcctt gaagaaatgg aggggaagac agtccctaga atactgatca ggggtcccct 240
236 ttgaccactg cagcagctgt ggtcaggctg ctgaccttct tctcaggcct tgttctctgc 300
238 ctacgctca atgtgtttga aggtttgatt ccagcttttc tgagtccttc ggcctccact 360
240 caggtcagga ccagaagtcg ctgttccctc ctccagagact agaactttcc aatgaatagg 420
242 agattatccc agtgccctgt gtccaggctg gcgtctgggt tctgtgcccc ctccccacc 480
244 ccaggtgtcc tgtccgttct caggatggtc acatgggcgc tgttgagtg tcgcaagaga 540
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264 tgaaggggaa gcgggtgggc gccactgggg gtctctccct ggtttcaca gacagatcct      180
266 tgtgccggac tcaggcagac agtgtgacaa agaggctggg taggagaag agggatcagg      240
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270 attggggagg cgcacagttg gggttcccca ctcccacgag ttctacttct tctcccaacc      360
272 tatgtcgggt ccttcttcca ggatactcgt gacgcgtccc catttccact cccattgggt      420
274 gtcgggtgtc tagagaagcc aatcagtgtc gccgggggtcc cagttctaaa gtccccacgc      480
276 acccaccggg actcagaatc tcctcagacg ccgagatgcg ggtcacggcg ccccgaaacc      540
278 tcctcctgct gctctggggg gcagtggccc tgaccgagac ctgggctggg gagtgcgggg      600
280 tcaggcaggg aaatggcctc tgtggggagg agcgagggga cgcaggcggg ggcgaggagc      660
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292 <223> OTHER INFORMATION: Class I-B27 allele IVS3
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300 gcatgagttt tcctgagttt cctctgaggg cccctctctc tctctaggac aattaaggga      180
302 tgacgtctct gaggaaatgg aggggaagac agtccctaga atactgatca ggggtccctt      240
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306 cacactcagt gtgtttgggg ctctgattcc agcacttctg agtcacttta cctccactca      360
308 gatcaggagc agaagtccct gttcccgcgt cagagactcg aactttccaa tgaataggag      420
310 attatcccag gtgcctgcgt ccaggctggg gtctgggttc tgtgcccctt cccaccccca      480
312 ggtgtcctgt ccattctcag gctggtcaca tgggtgttcc tagggtgtcc catgagagat      540
314 gcaaagcgcc tgaattttct gactcttccc atcag      575
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320 <213> ORGANISM: Homo sapiens
322 <220> FEATURE:
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324 <223> OTHER INFORMATION: Class I-B58 allele
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332 ctgctctggg gggcagtggc cctgaccgag acctgggccc gtgagtgcgg ggtcgggagg      180
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342 <213> ORGANISM: Homo sapiens
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346 <223> OTHER INFORMATION: Class I-B58 allele IVS3
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354 gcatgagttt tcctgagttt cctctgagg cccctctctc tctctaggac aattaaggga          180
356 tgacgtctct gaggaatgg aggggaagac agtccctaga atactgatca ggggtccct          240
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362 gatcaggagc agaagtcctt gtcccccgt cagagactcg aactttccaa tcaataggag          420
364 attatcccg gtgctctgct ccaggctggt gtctgggttc tgtgcccctt cccacacca          480
366 ggtgtcctgt ccattctcag gctggtcaca tgggtgtcc tagggtgtcc catgagagat          540
368 gcaaagcgcc tgaattttct gactcttccc atcag                                575
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377 <221> NAME/KEY: misc_feature
378 <223> OTHER INFORMATION: Class I-A2 allele
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386 aaagtgaag gagagggacg gggcccatgc cgagggtttc tcccttgttt ctacagacagc          180
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390 cagggcggaag tccagggccc caggcgttgg ctctcagggt ctcaggcccc gaagggcggt          300
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398 gtccgcacgc acccaccggg actcagattc tccccagacg ccgaggatgg ccgtcatggc          540
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402 tgagtgcggg gtcgggaggg aaacggcctc tgtggggaga agcaacgggc cgctggcg          660
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414 <220> FEATURE:
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416 <223> OTHER INFORMATION: Class I-A2 allele IVS3
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 75,76
Seq#:15; N Pos. 348
Seq#:24; N Pos. 448,450,453

VERIFICATION SUMMARY

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L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:60
L:528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:300
L:890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:420